SAMSUNG

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VMBP0511CA02HQ-WW

imagine successful vision

Enter the pathway to success guided by **Samsung Plasma Display**

SAMSUNG

Samsung Plasma Display

Visible Everywhere

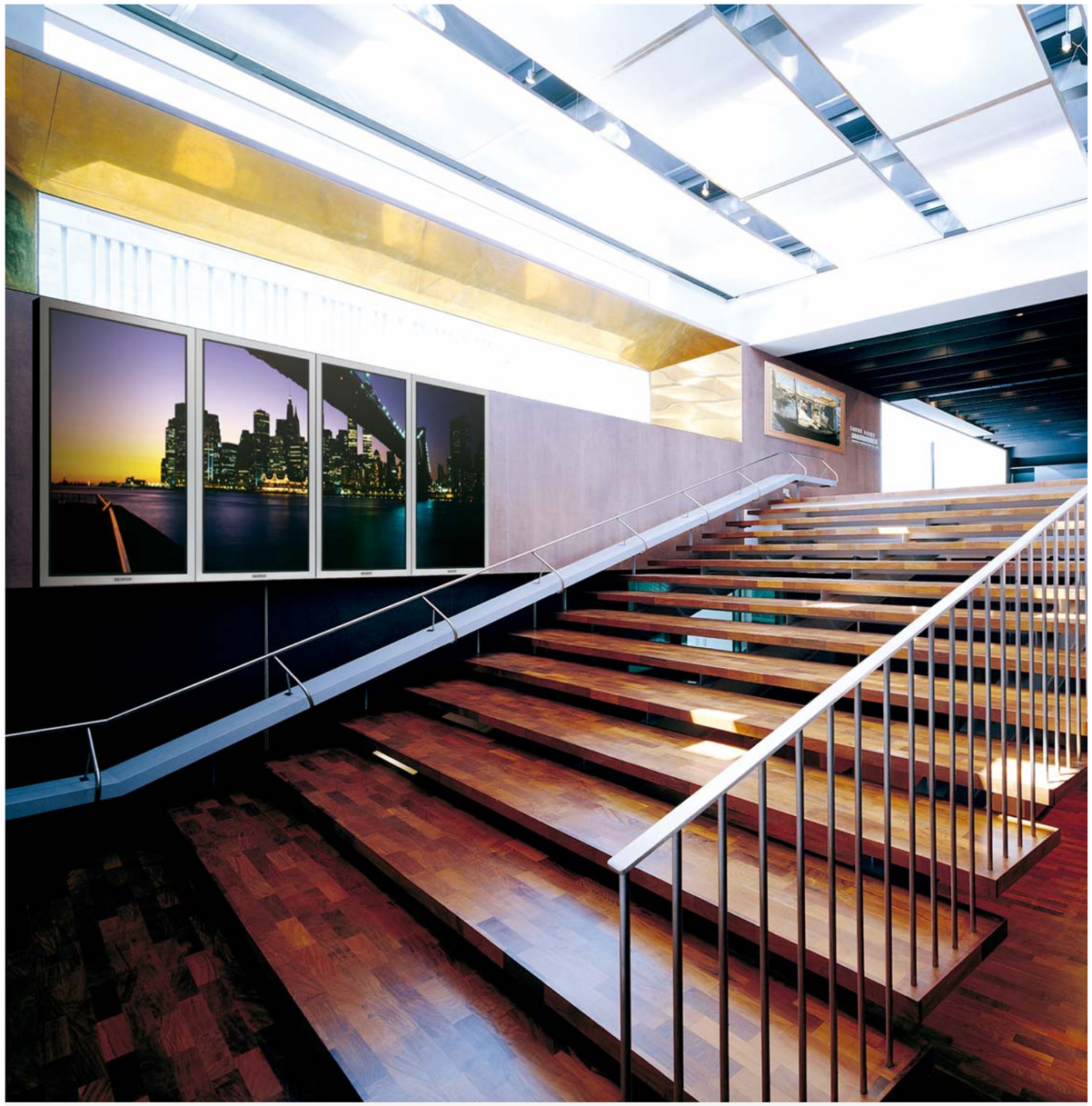
Business Display

Public Display

Prestigious Display

A good partner leads you to success.
Samsung works with you to bring you success.

Large displays have become a necessity in public places like airports, train stations and shopping malls for quick and correct information delivery. Samsung has taken notice of such demands, and is planning to take the lead in the global large display market with its new multi-functional plasma display featuring the world's best picture quality of 10,000:1 contrast ratio and 1,500 cd/m² brightness (42" SD). Samsung's new model boasts a contrast ratio that is three times that of previous 3,000:1, as well as the world's brightest screen. Samsung's unparalleled image quality technology will put an end to the current contrast competition for plasma displays.



Picture Quality

The Ultimate Visual Journey through Samsung Technologies

Ever since the invention of display device, people have wanted to see a bigger and better picture.
Digital displays allowed for larger screens, but demand for higher picture quality remained unfulfilled.

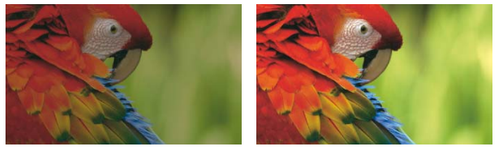
Digital Natural Image engine, DNIe™

Samsung's dream is to fulfill the demand for lifelike picture quality by creating natural images with vivid color, and optimal detail and contrast. Our proprietary DNIe™ technology, developed through aggressive research & development and 30 years of experience, achieves this dream by taking any signal from a conventional broadcast source and turning it into a stunning picture on any screen.

Conventional DNIe™

Motion Optimizer eliminates noise

Motion Optimizer takes visual data and automatically breaks them into signal and noise, eliminating noise and blur without the slightest damage to the original signal. This guarantees a picture of astounding sharpness, whether the scene is still or moving.



Conventional DNIe™

Color Optimizer shows natural hues

For each scene, Color Optimizer calculates the saturation of red, green, and blue in the input signal and adjusts it to shades that the human eye accepts as natural. Even white tone enhancement produces more striking results when used with DNIe™ Color Optimizer.

Conventional DNIe™

Contrast Enhancer boosts light and shade

Conventional contrast enhancers produce noise boosts and flickers. DNIe™ has solved these problems by developing an epoch-making algorithm called Contrast Enhancer that recognizes over 1 million criteria for applying contrast, and automatically analyzes up to 70,000 local images within a frame - producing a picture rich in contrast, even in the tiniest details.

Conventional DNIe™

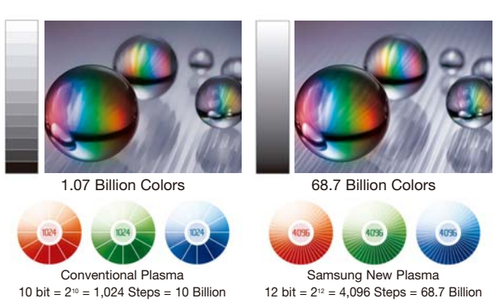
Detail Enhancer sharpens the edges

Detail Enhancer eliminates unnatural effects by automatically analyzing the portion of the signal to be amplified and detecting disturbances to bring the viewer a startlingly sharp and lifelike image.

Conventional DNIe™

Free of False Contours

Samsung has reduced the phenomenon of false contours that occurred on conventional Plasma Monitor by developing a new technology. The process enables natural conversion of an image, allowing Samsung Plasma Monitor to display clearer, more lifelike images on the screen.



1.07 Billion Colors 68.7 Billion Colors

Conventional Plasma
10 bit = 2^{10} = 1,024 Steps = 10 Billion

Samsung New Plasma
12 bit = 2^{12} = 4,096 Steps = 68.7 Billion

68.7 Billion Colors

Samsung Plasma Monitor provides the clearest expression of natural lights on its 12-bit System with 68.7 billion colors, from the faint sunlight at dawn to the extreme spotlights in a colorful fashion show. Unlike competitor products which produce 1 billion colors with 10-bit processing at the circuit (or panel) level, Samsung Plasma Monitor has 12-bit processing not only at the digital circuit level with DNIe™ (Digital Natural Image engine) at the core but also at the panel that visualizes signals through the 12-bit System. As a result, Samsung Plasma Monitor can express the natural colors with 4,096 grey scales. Vivid and lifelike images are revealed just like you would see them with your own eyes.

Time To AIR LINE FLT NO GATE REMARKS WALL
13:56 BUSAN AMERICAN AA7259 A96 TERMINAL 2
13:55 LOS ANGELES DELTA DL7671 A96 NEW TIME 14:25
13:55 BUSAN KOREAN AIR KE 714 26 FINAL CALL
14:55 SEOUL KOREAN AIR KE 704 27 ON TIME
15:05 MINNEAPOLIS CONTINENTAL CO6020 28A ON TIME
15:15 SEATTLE CONTINENTAL CO5008 24 ON TIME
15:20 NEW YORK CONTINENTAL CO5008 22 ON TIME
15:30 SAN FRANCISCO CONTINENTAL CO5018 23 ON TIME
15:45 LOS ANGELES CONTINENTAL CO5009 21 ON TIME
15:50 HOUSTON CONTINENTAL CO5002 27 ON TIME
16:05 DETROIT NORTHWEST NW6909 21 ON TIME
16:10 SAN FRANCISCO CONTINENTAL CO6012 D27 TERMINAL 2
16:10 NEWARK ANA NH7014 25 ON TIME
16:15 LOS ANGELES NORTHWEST KW6008 36 TERMINAL 2
16:15 HONG KONG ANA NH7018 D16 ON TIME
CATHAY CX 451 26 TERMINAL 2
CANCELLED
Time To AIR LINE FLT NO GATE REMARKS WALL
16:20 CHICAGO ANA NH7008 31 ON TIME
16:40 NEW YORK ANA NH7000 36 ON TIME
16:50 SAN FRANCISCO UNITED YA8236 D92 TERMINAL 2
16:55 SEATTLE ANA NH7030 34 ON TIME
17:00 SEOUL DELTA DL7880 24 ON TIME
17:10 LOS ANGELES UNITED UA8232 B71 TERMINAL 2
17:15 SAN JOSE ANA NH7047 33 ON TIME
17:20 HONG KONG JAL JL5005 15 ON TIME
17:20 LOS ANGELES AMERICAN AA5115 CANCELLED
17:35 SAN FRANCISCO AMERICAN AA7210 B75 TERMINAL 2
17:40 SINGAPORE ANA NH7012 35 ON TIME
17:50 BEIJING ANA NH7051 28B ON TIME
17:55 SAN FRANCISCO UNITED UA 853 28C ON TIME
18:00 SINGAPORE AMERICAN AA7220 C86 TERMINAL 2
AMERICAN AA7215 C88 TERMINAL 2
5h15m 14:08
AIRLINE FLIGHT NO. TO VIA GATE REMARKS WILL DEP.
AMERICAN AA7259 BUSAN 26 TERMINAL 2
KE 1 BUSAN 27 NEW TIME 14:25
KE 714 BUSAN 28A FINAL CALL
KE 704 SEOUL 24 ON TIME
NW 20 MINNEAPOLIS 22 ON TIME
NW 8 SEATTLE 23 ON TIME
NW 18 NEW YORK 27 ON TIME
NW 28 SAN FRANCISCO 21 ON TIME
NW 2 LOS ANGELES TERMINAL 2
NW6006 HOUSTON 25 ON TIME
NW 12 DETROIT 35 ON TIME
UA 838 SAN FRANCISCO TERMINAL 2
NW6008 NEWARK 26 ON TIME
UA 890 LOS ANGELES CANCELLED
CX 451 HONG KONG ON TIME
UA 882 CHICAGO TAIPEI 31 ON TIME
UA 800 NEW YORK 36 TERMINAL 2
UA8236 SAN FRANCISCO ON TIME
UA 876 SEATTLE 34 ON TIME
KE 2 SEOUL 24 ON TIME
TIME AIRLINE
17:10 UNITED
17:10 UNITED
17:15 AMERIC
17:20 CATHAY PACI
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18:15 UNITED
18:20 AMERI

Advanced Panel

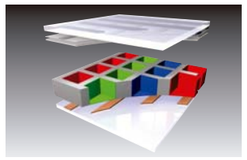
The Highest Brightness and Contrast Ratio

10000:1 1500cd/m² A higher brightness ratio brings brilliance to your screen and a higher contrast ratio guarantees an abundance of colors. Typically, brightness and contrast are inversely related. In other words, if brightness goes up, contrast goes down, and vice versa. However, Samsung's plasma display has achieved a flawless balance that no longer has to sacrifice brightness or contrast to achieve the perfect picture. Every scene is always clear and vivid, delivering the details even in bright light. See the Samsung difference.

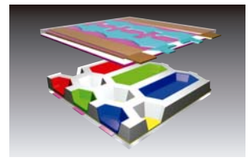
Public Display / Airport

Conventional
C/R 3,000:1 / Brightness 1,000cd/m²

Samsung
C/R 10,000:1 / Brightness 1,500cd/m²



Conventional Rectangular Type



Hero (High Efficiency Ribs & Optimized Electrode) Type

The Highest Brightness and Contrast Ratio

1500cd/m² High power consumption has been often pointed out as a big weakness of Plasma Monitor displays. However, that problem cannot be improved any further in the conventional cell structure of Plasma Monitor. To deal with that, Samsung changed the whole panel structure from rectangular to octagonal cells, resulting in greatly advanced luminous efficiency. The highest brightness of 1500cd/m² and contrast ratio of 10,000:1 have been achieved by cell structure innovation. The luminous efficiency has been also increased, providing excellent pictures with lower power consumption.

The world best luminous efficiency

- Contrast ratio 230% (3,000 :1 VS 10,000:1)
- PPM42M5S : 1500 cd/m²
- PPM42M5H, PPM50M5H : 1300 cd/m²
- PPM63M5H : 1,000 cd/m²

Conventional Plasma Display

Samsung Plasma Display

Longer Lifespan

OVER 60,000 hours An environmentally-friendly way to enjoy your plasma display longer; the lifespan of Samsung's Plasma display has been extended from 30,000 viewing hours to 60,000 hours. As a long-term rewarding investment, Samsung Plasma Displays guarantee quality viewing 8 hours a day for 20 years or 10 hours a day for 15 years. Our technological advancements have increased the lifetime of our plasma displays to the match the performance of LCDs.

Conventional

Samsung

HD Ready

HD ready The first thing you'll notice about Samsung HDTV is the exceptional clarity on a wide screen. With Samsung's cutting-edge technologies HDTV realizes razor-sharp images as vivid as reality itself.
(PPM42M5H, PPM50M5H, PPM63M5H)

Prestigious Display / Conference Room

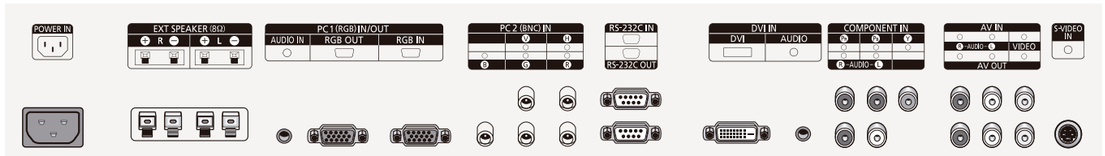
Public Display / Airport

Innovative Features

Versatile Convenience

A higher brightness ratio brings brilliance to your screen and a higher contrast level. Samsung Plasma Monitor supports versatile connectivity for professional convenience. PC and video can be connected and RS-232C loop out function are supported. In addition, 10 units can be connected as one unit and displayed from a PC without additional devices.

Public Display / Airport

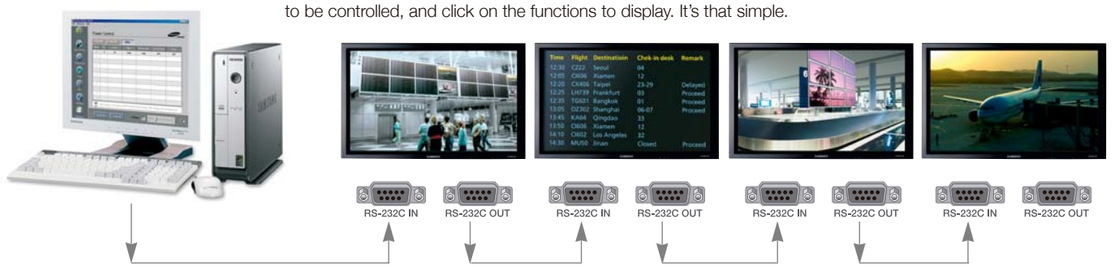


Professional Connectivity

Samsung Plasma Monitor supports extended connectivity - PC, Video, RS-232C Loop Out function are supported. If customers want to install multi display video wall connected by Video & PC signal, they don't need an additional device like Input Signal Distributor.

Multi Display Control (MDC)

More control is always good. Especially when it's easy. The built-in RS232C interface lets you control up to 10 units as a single display from your PC. Just open the supplied MDC software, list the units to be controlled, and click on the functions to display. It's that simple.



MDC Software Screen Shot

1. Main Icons : Use the main icons to switch to each screen.
2. Select Button : Click Select all or Clear to select or clear all displays.
3. Display Selection : Select a display from Display Selection.
4. Info Grid : Use Grid to view brief information on selected display.
5. Control Tools : Use Control Tools to control displays.
6. Remocon : Allows you to enable or disable the remote control signal receiving function of the display unit.
7. Title : The current title to be controlled is displayed.
8. Comm. Status : Indicates the communication status between the MDC and the display.

Business Display / Department

Public Display / Fashion Show

Prestigious Display / Conference Room

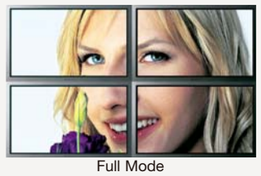
Innovative Features

Matrix Display for Video Wall

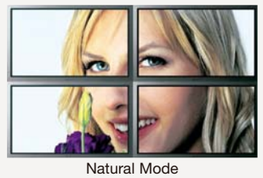
Built-In Image Enlarging Processor supports various video wall formats - 2x2, 3x3, 4x4, 5x1, 1x5. If user wants to install Video Wall as these formats, user doesn't need any other Video Controller Device. Also if viewer uses video & PC Interface, additional Input Signal Distributor is not necessary.

2 Way Multi Display Format

In the case of Multi Display video wall, a major issue is how to display naturally without picture distortion. So Samsung's New Plasma Monitor supports two types of video wall formats. The first is Full mode which displays the picture regardless of cabinet bezel. The second, Natural Mode, considers bezel's depth when displaying picture.



Full Mode



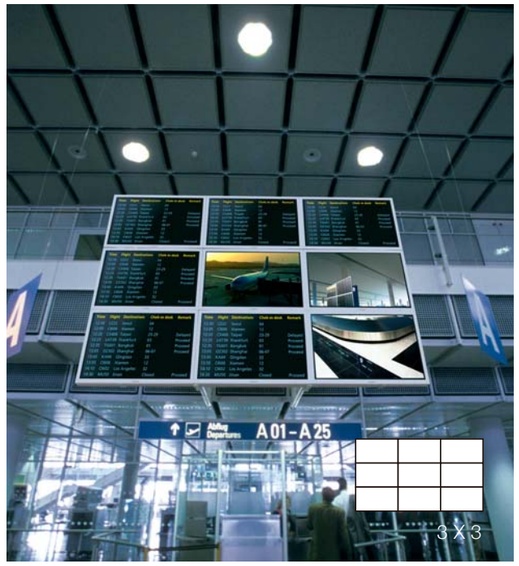
Natural Mode

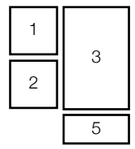
Vertical Image Capability

Landscape idea or portrait idea? You're not limited with Samsung. Our plasma monitor can be mounted either horizontally or vertically. A cooling fan that operates automatically enables vertical mounting with the same basic performance and functions as ordinary horizontal mounting. They are ideal as electronic signboards for storefronts or public places.

Horizontal View

Vertical View



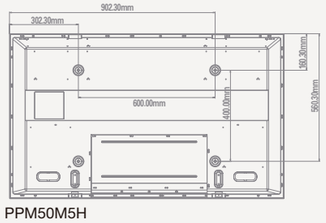


1. 4 X 4 : Public Display / Airport
2. 3 X 3 : Public Display / Airport
3. 1 X 5 : Public Display / Shopping Mall
4. 5 X 1 : Business Display / Gallery

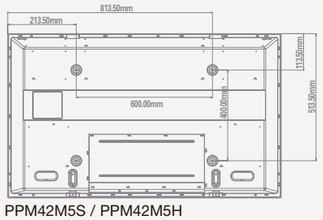
Digital Performance

VESA Standard Supported

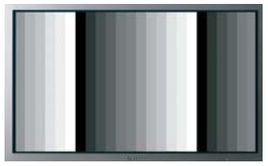
VESA For video wall convenience, Samsung's New Plasma Monitor supports VESA wall mounting standards. 42M5S, 42M5H, 50M5H have mounting holes at 600 mm x 400 mm. This offers customers various installation solutions including wall mount, vertical mount and ceiling mount.
(Except PPM63M5)



PPM50M5H



PPM42M5S / PPM42M5H


Signal Pattern Process

Auto Pixel Shift

All White

3 Types of Anti Burn-in Program

Screen burn-in is a major concern of customers. Samsung plasma monitor supports three types of anti burn-in protection. Samsung new plasma monitor supports Anti burn-in protection timer in OSD Menu. This timer helps user choose protection mode, period and operation time that they want. If user selects these items, Samsung plasma monitor operates selected anti burn-in program during selected operation time per selected each period. For example, if user selects All White, 1 hour period & 5 minutes operation time, Samsung plasma monitor automatically operates All White mode every 5 minutes each hour.

- **Signal Pattern Process**, this function moves black & silver strips from right to left on the Screen.
- **All White**, this function refreshes plasma's cell and will change screen to all white.
- **Auto Pixel Shift**, this function shifts 3 or 4 pixels according to this order, right, top, left, bottom. The user cannot see the movement since it involves only a few pixels. User can choose the number of pixels and moving period in OSD Menu.

Small PIP

Large PIP

Double Window 1

Double Window 2

4 Way PIP Function

PIP [Picture in Picture] Function is very convenient for conference room solutions and indoor use. Samsung's plasma monitor supports four types of PIP Functions. In the case of small & large PIP, user can control sub picture's location at any corner of screen. Double Window 2 shows nature picture size & Double Window 1 expands Picture.

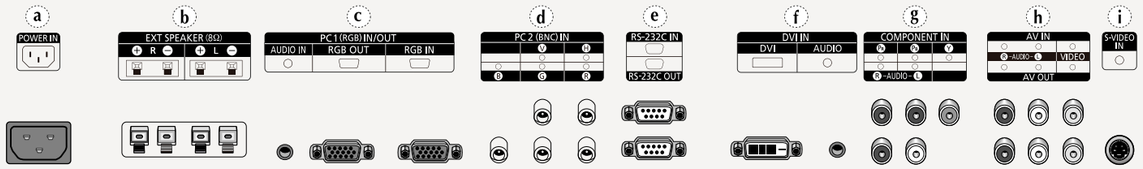
Public Display / Airport

Prestigious Display / Fitness Club

Digital Performance

Professional Connectivity

Samsung Plasma Monitor supports extended connectivity - PC, Video, RS-232C Loop Out function are supported. If customer wants to install multi display video wall connected by Video & PC signal, they don't need an additional device like Input Signal Distributor.



a **POWER IN**
Connect the supplied power cord.

b **EXT SPEAKER (8Ω)**
Connect external speakers.

c **PC1 IN / OUT**
- IN : Connect to the video output jack on your PC.
- OUT : Connect to the video input jack on external devices.
- AUDIO : Connect to the audio output jack on your PC.

> AUDIO in an audio input jack for PC1 and PC2 Modes.

d **PC2 (BNC) IN**
Connect for RGB (Y/Pb/Pr) HV video signal input from the PC.
> "PC Mode" from this page onward means PC1/PC2 mode using RGB1 (PC1) and RGB2 (PC2)

e **RS-232C**
- IN : Used for the DMC function when connecting PC or RS-232C output of another Plasma Monitor.
- OUT : Used for the MDC function when connecting with RS-232C input of another Plasma Monitor.

f **DVI IN**
- DVI : Connect to the video output jack for device with DVI output.
- AUDIO : Connect to the audio output jack for devices with DVI output.

g **COMPONENT IN**
Video (Y/Pb/Pr) and audio (L/R) inputs for component.

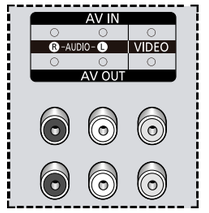
h **AV (VIDEO/AUDIO L/R)**
- IN : Video and audio inputs for external devices, such as a camcorder or VCR.
- OUT : Outputs for external devices.

i **S-VIDEO IN**
Video input for external devices with an S-Video output, such as a camcorder or VCR.

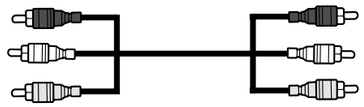
Connecting to the Audio / Video Input h

The "AV IN" connectors are used for the equipment with a Composite Video output, such as video game devices or video disc players.

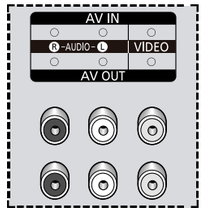
h



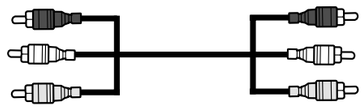
Rear of the Plasma Monitor (Input)



The "AV OUT" connectors are used for the equipment with a Composite Video input, such as a camcorder or VCR.

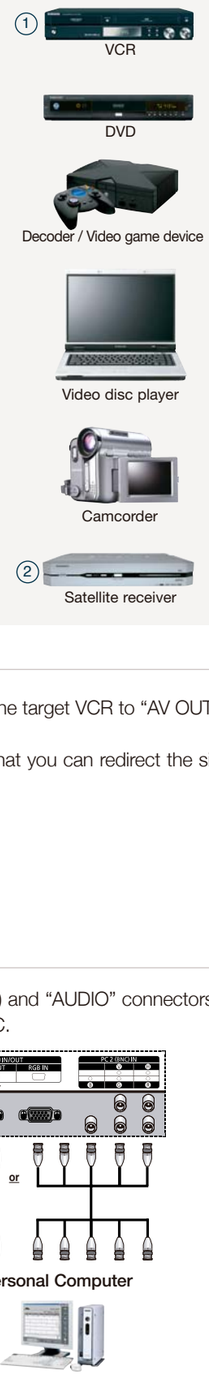


Rear of the Plasma Monitor (Output)



1. If you have a second VCR and wish to copy cassettes tape, connect the source VCR to "AV IN" and the target VCR to "AV OUT" so that you can redirect the signal from "AV IN" to "AV OUT".
2. When you wish to record a program, connect the receiver to "AV IN" and the VCR to "AV OUT" so that you can redirect the signal from "AV IN" to "AV OUT".

* Signal is outputted through the AV OUT only when the signal source is AV.

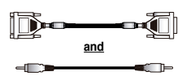


Connecting to the DVI Input / PC Input c d

The "DVI IN" (video) and "AUDIO" connectors are used for equipment with a DVI output.

c

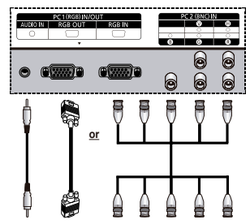
Rear of the Plasma Monitor



Personal Computer

The "PC 1" (or "PC 2 (BNC) IN") and "AUDIO" connectors are used for interfacing with your PC.

d

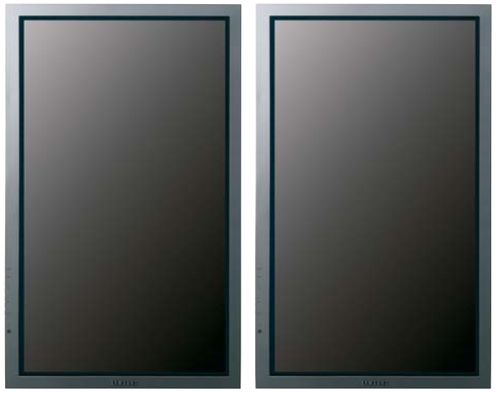


Personal Computer

Digital Performance

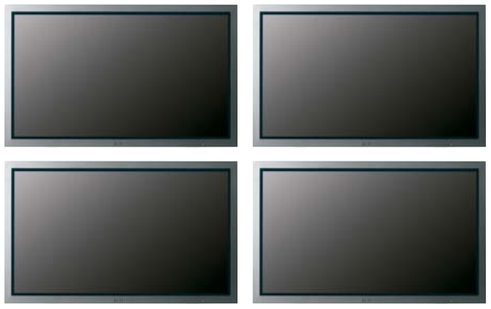
Installing the Display Vertically

You can install the Plasma Monitor vertically. In this case, the fan automatically works. If you wish to stop the fan, position the Plasma Monitor horizontally and then set “Fan” to “Off” in the “Function” menu. Please use the wall attachment panel exclusively when installing vertically. And you must put left side of the Plasma Monitor on top when viewed from front.



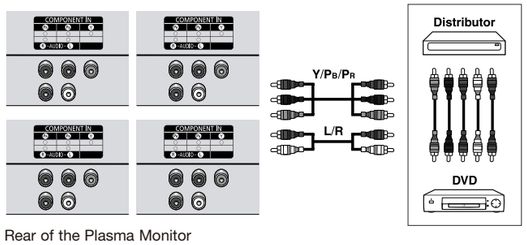
Before Using the Video Wall and the Multiple Display Control Function

Please create ID for each Plasma Monitor before installing them close together. It may be difficult to create IDs when operating the remote control for Plasma monitors that are installed close to each other.

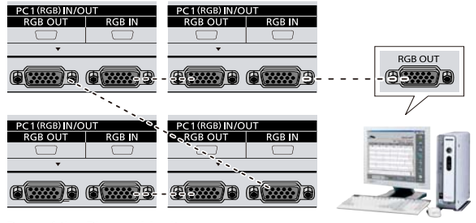


Example for 2x2 Video Wall function

Example for 2x2 Video Wall Connections

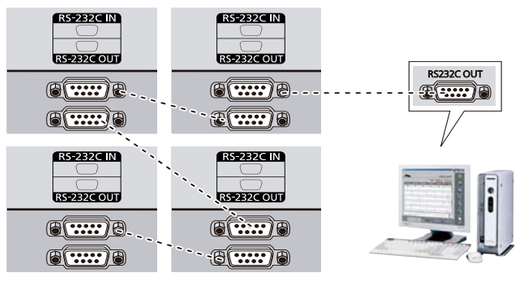


Rear of the Plasma Monitor



Rear of the Plasma Monitor

- You can connect a VCR without a distributor by composite (video) IN & OUT as you would connect a PC.
- Select ID input on the menu. Use the numeric buttons to enter the ID for Plasma Monitor adjustment. You can operate the remote control only for the Plasma Monitor that has been selected.
- For details about Multiple Display Control, refer to “Setting the MDC (Multiple Display Control)” on owner’s instructions and the help section in MDC program CD.

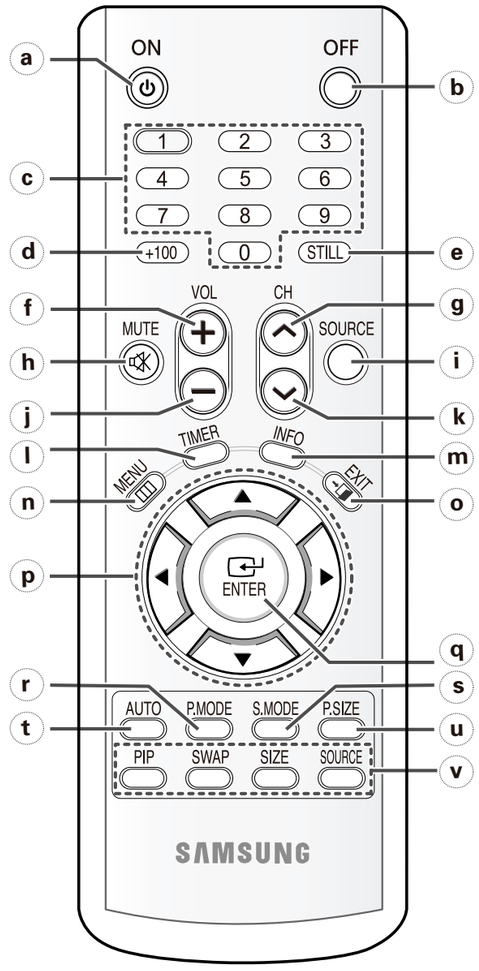


Infrared Remote Control

The remote control is used mainly to:

- Change sources and adjust the volume
- Set up the Plasma Display using the on-screen menu system

a) PLASMA MONITOR ON
b) PLASMA MONITOR OFF
c) DIRECT CHANNEL SELECTION
d) NOT AVAILABLE
e) PICTURE STILL
f) VOLUME INCREASE
g) NEXT CHANNEL
h) MUTE
i) EXTERNAL INPUT SELECTION
j) VOLUME DECREASE
k) PREVIOUS CHANNEL
l) SETTING THE TIMER
m) INFORMATION DISPLAY
n) MENU DISPLAY
o) EXIT FROM ANY DISPLAY
p) MOVE TO THE REQUIRED MENU OPTION/ ADJUST AN OPTION VALUE RESPECTIVELY
q) CONFIRM YOUR CHOICE (STORE OR ENTER)
r) PICTURE EFFECT SELECTION
s) SOUND EFFECT SELECTION
t) AUTO ADJUSTMENT IN PC MODE
u) PICTURE SIZE
v) PIP FUNCTIONS :
- PIP ACTIVATION OR DEACTIVATION (PIP)
- SWAPPING THE MAIN AND THE SUB PICTURE (SWAP)
- SIZE SELECTION (SIZE)
- SOURCE SELECTION (SOURCE)

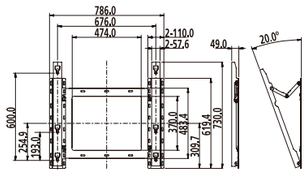


The performance of the remote control may be affected by bright light.

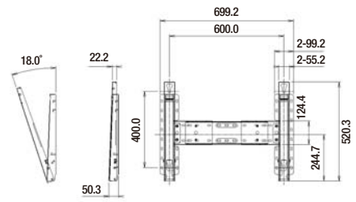
Accessories

These Optional Accessories are Available

Wall Mount

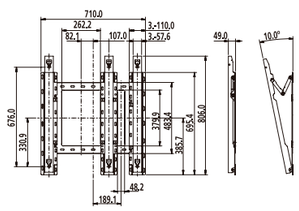


WMN6330D
(For PPM63M5H)

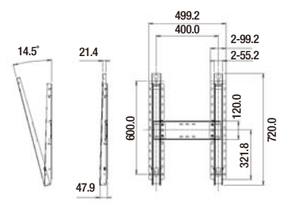


WMN4250D
(For PPM42M5S / PPM42M5H / PPM50M5H)

Vertical Mount



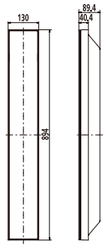
VMN6330D
(For PPM63M5H)



WMN4240D
(For PPM42M5S / PPM42M5H / PPM50M5H)

Speaker

* Available colors of Speaker cover : Black, Silver



PSN6332B / PSN6332S
(For PPM63M5HB /
PPM63M5HS)

PSN5032B / PSN5032S
(For PPM50M5HB /
PPM50M5HS)

PSN4232B / PSN4232S
(For PPM42M5HB / PPM42M5HS)
(For PPM42M5SB / PPM42M5SS)

Ceiling Mount
CML 500D
(For PPM42M5S / PPM42M5H / PPM50M5H)

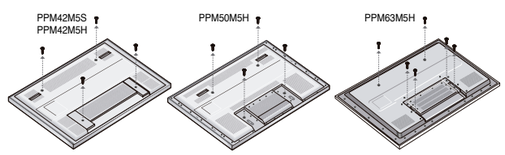
Pedestal Base
SMM 4250
(For PPM42M5S / PPM42M5H / PPM50M5H)

Tabletop Stand
SMM 6330D
(For PPM63M5H)

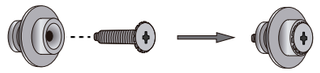
Installing the Display on the Wall Attachment Panel

The "AV IN" connectors are used for the equipment with a Composite Video output, such as video game devices or video disc players.

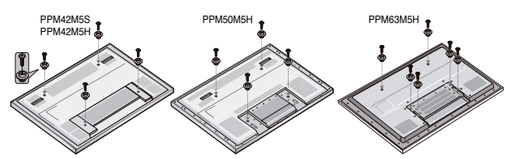
1. Remove the screws from the back of the Plasma Display.



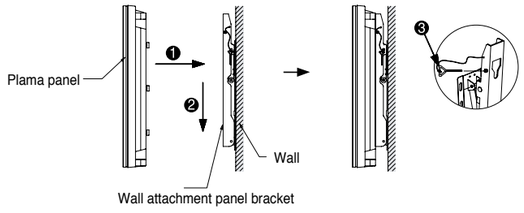
2. Use the screws and assemble the plastic hanger.
   - Please ask the installers to install the wall mount bracket.
   - Please be sure to check if the plastic hanger is completely secured on both the left and right side after hanging the Plasma Display on the wall mount bracket.
   - Please tightly secure the wall mount bracket to the wall to avoid injury from a falling Plasma Display.



3. Tighten the screws of the plastic hanger to the back side of the Plasma Display.

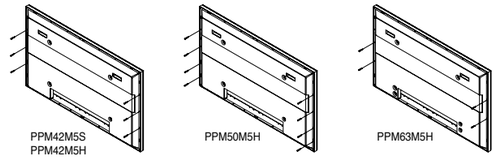


4. Put the 4 pegs on the Plasma Display in the grooves of the wall mount bracket and pull down on the Plasma Display (1) to secure it to the wall mount bracket (2). Tighten the screws as shown (3) so that the Plasma Display cannot be separated from wall mount bracket.
   - Please avoid catching your fingers while installing and adjusting the angle.

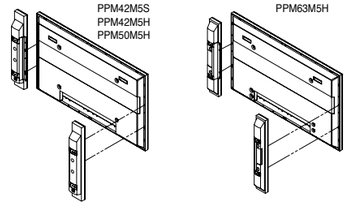


Connecting Speakers

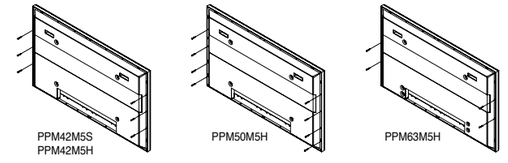
1. Remove the screws on the rear of the Plasma Display.



2. Attach the two “T” shaped hangers to the square holes on the rear of the Plasma Display.

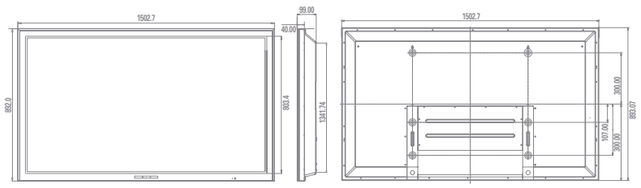


3. Tighten the Plasma Display and the speaker bracket using the screws removed from the Plasma Display.



WARNING
When moving your Plasma Display, do NOT hold the speaker connected to your Plasma Display. It may damage the bracket clamping the speaker and your Plasma Display together and result in dropping the Plasma Display or creating personal damage and injury.

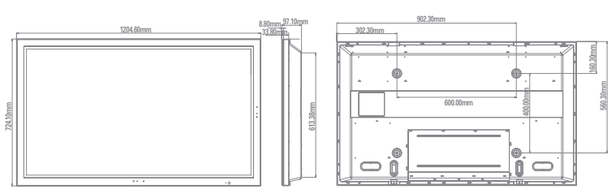
Professional Plasma Models



Professional HD Plasma Display 63”

PPM63M5H

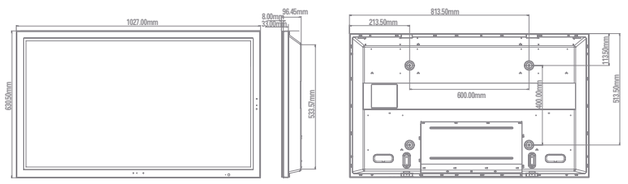
- 10,000:1 C/R, 1,000cd/m² Brightness
- Ultimate 68.7 Billion Color with DNIe
- 1366 x 768 Native Resolution
- Fan-less Operation in Horizontal Use
- Vertical and Horizontal Installation
- Multi Screen (2x2, 3x3, 4x4, 1x5, 5x1)
- DVI, RGB, BNC, Video, S-Video, Component
- Multi-Display Control via RSC232x In/Out
- Anti Burn Technologies
- Key Lock, IR Lock, Advanced Timer, PIP
- Sound 10W x 2
- VESA Wall Mount Standard



Professional HD Plasma Display 50”

PPM50M5H

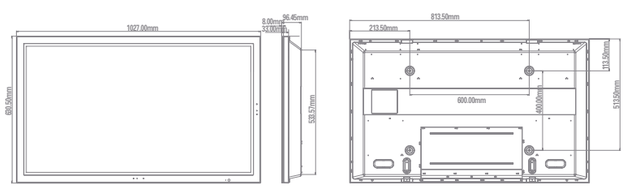
- 10,000:1 C/R, 1,300cd/m² Brightness
- Ultimate 68.7 Billion Color with DNIe
- 1366 x 768 Native Resolution
- Fan-less Operation in Horizontal Use
- Vertical and Horizontal Installation
- Multi Screen (2x2, 3x3, 4x4, 1x5, 5x1)
- DVI, RGB, BNC, Video, S-Video, Component
- Multi-Display Control via RSC232x In/Out
- Anti Burn Technologies
- Key Lock, IR Lock, Advanced Timer, PIP
- Sound 10W x 2
- VESA Wall Mount Standard



Professional SD Plasma Display 42”

PPM42M5S

- 10,000:1 C/R, 1,500cd/m² Brightness
- Ultimate 68.7 Billion Color with DNIe
- 852 x 480 Native Resolution
- Fan-less Operation in Horizontal Use
- Multi Screen (2x2, 3x3, 4x4, 1x5, 5x1)
- DVI, RGB, BNC, Video, S-Video, Component
- Multi-Display Control via RSC232x In/Out
- Anti Burn Technologies
- Key Lock, IR Lock, Advanced Timer, PIP
- Sound 10W x 2
- VESA Wall Mount Standard



Professional HD Plasma Display 42”

PPM42M5H

- 10,000:1 C/R, 1,300cd/m² Brightness
- Ultimate 68.7 Billion Color with DNIe
- 1024 x 768 Native Resolution
- Fan-less Operation in Horizontal Use
- Vertical and Horizontal Installation
- Multi Screen (2x2, 3x3, 4x4, 1x5, 5x1)
- DVI, RGB, BNC, Video, S-Video, Component
- Multi-Display Control via RSC232x In/Out
- Anti Burn Technologies
- Key Lock, IR Lock, Advanced Timer, PIP
- Sound 10W x 2
- VESA Wall Mount Standard

Specifications

Model Name		PPM42M5S	PPM42M5H	PPM50M5H	PPM63M5H
Display	Diagonal Size	42"	42"	50"	63"
	Aspect Ratio	16:9	16:9	16:9	16:9
	Resolution	852 x 480	1024 x 768	1366 x 768	1366 x 768
	Pixel Pitch	1.095 x 1.110	0.912 x 0.693	0.81 x 0.81	1.02 x 1.02
	Brightness	1,500 cd/m²	1,300 cd/m²	1,300 cd/m²	1,000 cd/m²
	Contrast	10,000:1	10,000:1	10,000:1	10,000:1
	Grey Scale	12-bit	12-bit	12-bit	12-bit
	Number of Colors	68.7 Billion	68.7 Billion	68.7 Billion	68.7 Billion
Power	Power Supply	100 ~ 240 V (50/60Hz)	100 ~ 240 V (50/60Hz)	100 ~ 240 V (50/60Hz)	100 ~ 240 V (50/60Hz)
	Power Consumption	330 W	380 W	420 W	570 W
Dimension & Weight	Set (W x H x D)	1027 x 630.5 x 96.5 mm	1027 x 630.5 x 96.5 mm	1204.6 x 724.1 x 97 mm	1502.7 x 893.1 x 99 mm
		40.43 x 24.82 x 3.76 inches	40.43 x 24.82 x 3.76 inches	47.43 x 28.5 x 3.82 inches	59.2 x 35.2 x 3.9 inch
	Weight (Set)	34.5 Kg (76.05 Lbs)	34.5 Kg (76.05 Lbs)	46.5 Kg (102.5 Lbs)	67 Kg (147.7 Lbs)
	Color Cabinet	Dark Black / Dark Silver			
Pictures	Scan System	Progressive Scan			
	Color System	Multi [PAL / SECAM / NTSC3.58 / NTSC4.43]			
	Digital Comb Filter	3D Comb Filter			
	Color Tone	Normal / Cool1 / Cool2 / Warm1 / Warm2 (Custom / Cool / Normal / Warm : RGB (PC) Mode : Cool / Normal / Warm : DVI Mode)			
	Picture Mode	Dynamics, Standard, Movie, Custom (RGB (PC) / DVI : Entertain / Internet / Text / Custom)			
	Screen Size Mode	16:9, zoom1, zoom2, 14:9, 4:3, Panorama			
Input Terminal	Composite Video	1 (RCA)			
	S-Video	1 (S-Video)			
	Component1	1 (RCA [Y / Pb / Pr])			
	RGB 1 (PC 1)	1 (D-sub 15 pin)			
	RGB 2 (PC 2)	1 (BNC [RGBHV])			
	DVI	1 (29 pin DVI)			
	RS-232C	1 (D-sub 9pin)			
	Audio	2 mini jacks (for DVI & D-sub 15 pin), 2 RCAs (L / R) (for Component & Composite)			
Output Terminals	Composite Video	1 (RCA)			
	RGB 1 (PC 1)	1 (D-sub 15 pin)			
	RS-232C	1 (D-sub 9pin)			
	Audio	1 RCA (L / R) (for Composite Out)			
	Speaker	External Speaker Jack (L / R), 10W x 2			
Operating Conditions	Temperature	0 ~ 40 ℃			
	Humidity	20 ~ 80 %			
	Altitude	700 hps (0 m) ~ 1,114 hps (3,000 m)			
Special Features		DNIe, 3 Way Burn-in Protection (Auto Pixel Shift, Signal Pattern Processor, All White), Burn-In Protection Timer Function			
		(MDC and OSD), On / Off Timer, Auto Power Off, Burn-In Protection Timer Function (MDC and OSD), Picture in Picture,			
		Picture by Picture, Digital Zoom (4x), Picture FreezeMatrix Video Wall (2 x 2, 3 x 3, 4 x 4, 1 x 5, 5 x 1),			
		Multi Display Screen Mode (Natural mode, Full mode), RS-232C Control, Key Lock & IR Lock			
		-	Vertical Display Available (Over 42HD)		
		VESA standard Wall Mount Support (600mm x 400mm)			-
OSD		English, French, German, Italian, Spanish, Portuguese, Chinese, Korean, Russian, Swedish			
VESA Mounting Hole		VESA Standard Mounting (600mm x 400mm)			-
Supplied Accessories		Tabletop Stand 2 pcs (42M5S / 42M5H / 50M5H), Remote control (Batteries included)			
		Power Cord, MDC S / W, PC Cable, Owner's Instruction			
Optional Accessories	Wall Mount	WMN4250D			WMN6330D
	Vertical Wall Mount	VMN4240D			VMN6330D
	Ceiling Mount	CML500D			-
	Stand	Tabletop Stand 2 pcs Included			SMM6330D
	Speaker	PSN4232B (S)		PSN5032B (S)	PSN6332B (S)
Regulations	Safety	UL, CSA, CE (CB), CCC, BSMI, PSB, EK, GOST			
	EMC	FCC Class-A, ICES, CE, GOST, CCC, BSMI, MIC, VCCI, C-tick			
Lifetime		60,000 hours			
Warranty		2 Years in Parts & Labor [Plasma Panel 1Year]			

Corresponding Computer Signal

Resolution		Vertical Freq.(Hz)	Horizontal Freq.(KHz)	PPM42M5S	PPM42M5H	PPM50M5H	PPM63M5H
VGA	640 x 350	70	31.5	O	O	O	O
		85	37.9	O	O	O	O
	640 x 400	85	37.9	O	O	O	O
	720 x 400	70	31.5	O	O	O	O
		85	37.9	O	O	O	O
	640 x 480	60	31.5	O	O	O	O
		72	37.9	O	O	O	O
		75	37.5	O	O	O	O
		85	43.3	O	O	O	O
SVGA	800 x 600	56	35.2	O	O	O	O
		60	37.9	O	O	O	O
		72	48.1	O	O	O	O
		75	46.9	O	O	O	O
		85	53.7	O	O	O	O
XGA	1024 x 768	60	48.4	O	O	O	O
		70	56.5	O	O	O	O
		75	60	O	O	O	O
		85 *	68.7	O	O	O	O
WVGA	848 x 480	60	29.8	O	O	O	O
		72	35.1	O	O	O	O
		75	36	O	O	O	O
		85 *	37	O	O	O	O
	*852 x 480	60	31.8	O	x	x	x
	*1152 x 864	75	67.5	O	O	O	O
*SXGA	1280 x 1024	60	64	O	O	O	O
		75	80	x	O	O	O
*WXGA	1280 x 768	60	47.7	O	O	O	O
		75	60.1	x	O	O	O
	1360 x 768	62	47.8	x	x	O	O
	1366 x 768	60	48.2	x	x	O	O
*UXGA	1600 x 1200	60	75	x	O	O	O

- ' * 'Mode does not work with DVI mode,
- 1366x768/852x480 modes are only supported by a particular video card. (Pixel Perfect)